

TK208、TK316系列扩散硅变送器

TK208, TK316 series diffusion silicon transmitter



TK316压力变送器
Tk316 pressure transducer



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一、产品简介

TK208、TK316系列扩散硅变送器，选取进口高性能隔离式扩散硅传感器，采用国际上的先进制造工艺，具有同类进口变送器的坚固性和可靠性，适用于各种工业领域中腐蚀性介质的表压、绝压和负压的检测。

二、产品特点

性能价格比高
过程直接安装
温度特性好
综合精度高

三、技术参数

电源：24VDC 输出4-20mA二线制；
零位可调范围：±50%；
量程调节比：3:1以上；
量程范围：-100kPa~0~60MPa；
负载特性：负载在0~600 Ω内(24VDC供电)维持恒流输出；
显示：5位LCD,工程单位%等；
隔爆型d IIC T4，本安型ia IIC T6；
过压极限：2倍于上限压力；
温度范围：过程：-20~60℃；
精度等级：±0.2%, ±0.5%；
稳定性：±0.2%F·S；
重量：约1kg；

Product introduction

Tk208 and TK316 series diffusion silicon transmitter uses imported high performance isolation diffusion silicon sensor and internationally advanced manufacturing process. It has the rigidity and reliability of similar imported transmitter and is applicable to detection of gauge pressure, absolute pressure and negative pressure of the corrosive medium in the industrial filed.

Product characteristics

High cost performance
Direct process installation
Good temperature characteristics
High overall accuracy

Technical parameters

Power supply: 24VDC output, 4-20mA two-wire system
Adjustable range of zero position: ±50%
Adjustment ration of the range: above 3: 1
Range scope: -100kPa~0~60MPa
Load characteristics: constant current output is maintained when the load in within 0~600 Ω (24VDC power supply)
Display: 5 LCD, engineering unit, etc.
Explosion suppression dIIC T4, intrinsic safety iaIIC T6
Overpressure limit: twice the upper limit pressure
Temperature range: process: -20~60℃
Accuracy class: ±0.1%, ±0.5%
Stability: ±0.2%F·S
Weight: about 1kg
TK Diffusion Silicon Pressure Transmitter Selection

TK型扩散硅压力变送器选型表

TK Diffusion Silicon Pressure Transmitter Selection

型号 Model	变送器型号 Transmitter type
TK208	压力变送器 Pressure transmitter
TK316	压力变送器 Pressure transmitter
代码 Code	过程连接膜片及材料 Process connection diaphragm and material
1	不锈钢316L膜片/过程1Cr18Ni9Ti Stainless steel 316L diaphragm/process 1Cr18Ni9Ti
2	钽膜片/过程316L Tantalum diaphragm/process 316L
9	陶瓷膜片/过程316L Ceramic diaphragm/process 316L
代码 Code	过程连接标准 Process connection standard
R	外螺纹G1/2A Outer screw G1/2A 内孔φ8mm Inner hole φ8mm
B	外螺纹M20×1.5 Outer screw M20×1.5 内孔φ8mm Inner hole φ8mm
Y	约定的特殊要求 Specified special requirements
代码 Code	密封圈材料 Seal ring material
1F	氟橡胶（低温限制-20℃） Fluoride rubber(Low temperature limitation-20℃)
3F	氟硅橡胶（低温限制-20℃） Fluorinated silicone rubber (Low temperature limitation-20℃)
4F	EPDM（低温限制-40℃） EPDM(Low temperature limitation-40℃)
9Y	约定的特殊要求 Specified special requirements
代码 Code	信号输出 Signal output
2	模拟信号4-20mA二线 Analog signal 4-20mA two wire
9	约定的特殊要求 Specified special requirements
代码 Code	外壳显示 Shell display
5	铝外壳，电缆孔M20×1.5 Aluminum shell, cable hole M20 * 1.5
9	数字显示31/ LCD现场压力值(BPS316不配) Digital display 31/ LCD, pressure value on site (BPS316 not provided)
N	无显示 No show
代码 Code	精度等级 Accuracy class
3	0.20%
6	0.50%
代码 Code	量程、压力单位 Range, pressure unit
G1G	表压 Gauge pressure
G2G	绝压 Absolute pressure
Y	负压 Negative pressure
代码 Code	泵压专用 Special pump pressure
A	阻尼装置 Damping device
Tk208 1 B 1F 5 6 G1G	

安装附件
 安装支架 G
 标准电缆密封套
 外螺纹M20×1.5 T
 隔爆电缆密封套
 外螺纹M20×1.5.....T2
 用户选用附件，请在选型代码后的括号内注明所要附件的代码。
 例：TK208 1 B 1F 5 6 G1G

Installation accessories
 Installation frame G
 Standard cable seal cartridge
 Outer thread M20×1.5 T
 Explosion proof cable seal cartridge
 Outer thread M20×1.5.....T2
 When the user selects the accessories, please indicate the code of the required accessories in the bracket after the selection code.
 E.g.: TK208 1 B 1F 5 6 G1G

